

LARIMER COUNTY RADIO COMMUNICATIONS FACILITY ALTERNATIVES				
Project Component	No Action Alternative	DRAFT Proposed Action	DRAFT Alternative	Other Alternatives Considered
Site Location	No facility authorized	Middle Bald Mountain	Middle Bald Mountain	Multiple tower locations in Poudre Canyon along Hwy14 and up to another peak high enough to "see" Buckhorn. <i>Status:</i> less technically feasible
				South Bald Mountain <i>Status:</i> denied; in inventoried roadless area
				Unnamed peak southeast of South Bald <i>Status:</i> denied; in inventoried roadless area
Site Designations	No site designation	Government-Only Site: Tower/building to be used by Forest Service, County, State, volunteer fire departments, search and rescue organizations	Government-Only Site: Tower/building to be used by Forest Service, County, State, volunteer fire departments, search and rescue organizations	Low Power/Non-Broadcast (allows government as well as cellular, utilities, and other communication uses (such as commercial 2-way radio))
				Low Power (allows all of the above and low-power broadcast (such as AM radio))
				Broadcast (allows all of the above and full high-power broadcast (such as TV, FM radio, etc.))
Tower Configuration	No tower	60' 3-legged, steel lattice tower; non-reflective; located next to Building #1; weighted with concrete anchoring; 40' of tower visible above summit	95' 3-legged, steel lattice tower; non-reflective; located next to Building #2; weighted with concrete anchoring; 40' of tower visible over summit	Taller tower to accommodate additional users
				Microwave dish mounted on the east-facing cliff below the summit, with rock-fall screen; antennae on building
				40' 3-legged, steel lattice tower; non-reflective; anchored into rock atop summit outcrop
Building Design and Location	No building	Rectangular, 160 sq ft building, designed to blend with site surroundings, at location #1 (on natural ledge just below summit)	Rectangular, 160 sq ft building, designed to blend with site surroundings, at location #2 (in meadow to northwest of summit)	Larger building, designed to blend with site surroundings, to accommodate non-government users
Access Route and Route Design	No access route	<i>Construction:</i> Level 2 road from NFSR 517 to treeline on routes B & C; Place load spreading mats across meadow <i>Post-Construction:</i> Rehabilitate level 2 road to a 2-track road; install gates at both ends <i>Operations & Maintenance:</i> Only foot traffic or UTVs across meadow	<i>Construction:</i> Level 2 road from NFSR 517 to treeline to facility on routes A+C+D or B+C+D <i>Post-Construction:</i> Rehabilitate level 2 road to a 2-track road; install gates at NFSR517 and treeline <i>Operations & Maintenance:</i> UTVs and pickups across meadow on 2-track	No access road, only foot traffic; either UTVs from NFSR517 or helicopter for heavy equipment and generator fuel
Power Source	No power source	<i>Primary:</i> Electric <i>Backup:</i> 20 kW diesel generator w/204-gallon, double-walled, EPA-approved belly tank	<i>Primary:</i> Electric <i>Backup:</i> 20 kW diesel generator w/204-gallon, double-walled, EPA-approved belly tank	<i>Primary:</i> Solar <i>Backup:</i> Batteries charged by solar
				<i>Primary:</i> Wind <i>Backup:</i> Batteries charged by wind
				<i>Primary:</i> Hybrid power system (wind + solar OR powerline + solar or wind) <i>Backup:</i> batteries charged by hybrid solar/wind system
				<i>Primary:</i> Electric <i>Backup:</i> batteries charged by hybrid solar/wind system
Powerline Route	No powerline	Bury powerline in center of Deadman Road, then under NFSR 300, NFSR 517 and access roads B+C; buried across meadow to facility	Overhead powerline alongside Deadman Road, then bury under NFSR 300, NFSR 517 and access roads A+C or B+C; buried across meadow to facility	Bury powerline in upgraded NFSR 517 (Bald Mtn 4wd Trail) and access roads A+C or B+C; buried across meadow to facility
				Overhead powerline alongside upgraded NFSR 517 (Bald Mtn 4wd Trail) and access roads A+C or B+C; buried across meadow to facility
				Overhead powerline alongside upgraded NFSR 517 (Bald Mtn 4wd Trail) and access roads A+C or B+C; overhead across meadow to facility
				Overhead powerline alongside Deadman Road, NFSR 300, NFSR 517, and access road A+C or B+C; overhead across meadow to facility
				On-the-ground power cable from Bellaire Campground area or Red Feather Lakes area cross-country to facility
Construction and Operations & Maintenance Equipment	No equipment	Various wheeled heavy equipment	Helicopter plus pickups and/or ATVs	Helicopter for installation of on-the-ground power cable